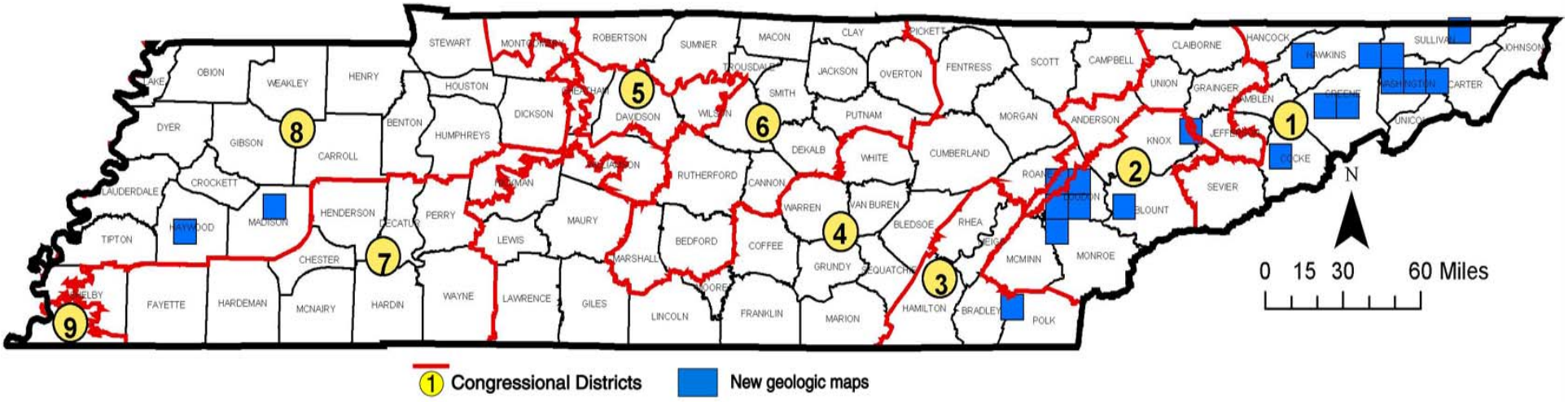
Association of American State Geologists

United States Geological Survey

National Cooperative Geologic Mapping Program

STATEMAP Component: States compete for federal matching funds for geologic mapping

TENNESSEE



Contact information

Tennessee Division of Geology

State Geologist: Ronald P. Zurawski (615/532-1502)

STATEMAP Contact: Ronald P. Zurawski

http://www.state.tn.us/environment/tdg

U.S.G.S. Geologic Mapping Program Office

Program Coordinators: Peter T. Lyttle (703/648-6943)

Associate Coordinators: Randall C. Orndorff (703/648-4316)

Laurel M. Bybell (703/648-5281)

http://ncgmp.usgs.gov/

SUMMARY OF STATEMAP
GEOLOGIC MAPPING PROGRAM IN TENNESSEE

FFY	Project Title / Scale	State Dollars	Federal Dollars	Total Project Dollars
1994	**Greeneville** Geologic Map, 1:24,000	$15,000	$15,000	$30,000
1995	**Johnson City** and **Bristol** Geologic Maps, 1:24,000	$12,468	$12,468	$24,936
1996	**Lenoir City** Geologic Map, 1:24,000	$11,688	$11,688	$23,376
1998	**Jonesborough** Geologic Map, 1:24,000	$16,000	$16,000	$32,000
1999	**Loudon** Geologic Map, 1:24,000	$16,864	$16,864	$33,728
2000	**Sweetwater, Philadelphia,** and **Cave Creek** Geologic Maps, 1:24,000	$28,134	$28,134	$56,268
2001	**Jackson North, Sullivan Gardens,** and **Leesburg** Geologic Maps, 1:24,000	$50,928	$50,928	$101,856
2002	**Lovelace** and **Mosheim** Geologic Maps, 1:24,000	$38,100	$38,100	$76,200
2003	**Camelot** and **Mascot** Geologic Maps, 1:24,000	$40,000	$40,000	$80.000
2004	**Binfield** and **Newport** Geologic Maps, 1:24,000	$32,186	$32,186	$64,372
2005	Convert 33 maps to digital coverages	$15,405	$15,405	$30,810
2006	**Benton** and **Brownsville** Geologic Maps, Digital compilation of Loudon and Sweetwater Geologic Maps, 1:24,000	$58,362	$58,362	$116,724
	TOTALS	**$335,135**	**$335,135**	**$670,270**

To date, 493 of Tennessee's 804 quadrangles (61 percent) have been completed. STATEMAP has supported geologic mapping of 18 quadrangles. These maps have been used for Phase I Environmental Site Assessments, to evaluate groundwater flow and potential for migration of contaminants that may have been released to the soil and groundwater, by the Tennessee Department of Transportation for a new roadway proposal, and by a state regulatory agency for their regulatory functions, spill, and complaint investigations. According to one state official, "The generally complex geology of upper East Tennessee's Valley and Ridge structure begs for more complete, detailed geologic maps for use in site evaluation and decision making. These published to date are extremely helpful."

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